

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mark L. Shaw et al. Group Art Unit:  
 Application No.: Examiner:  
 Date Filed:  
 Title: MOTION SENSING FOR TIRE PRESSURE MONITORING

---

## INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner For Patents  
 Alexandria, VA 22313

SIR:

In accordance with 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §§1.97 and 1.98, the references listed on attached Form PTO/SB/08 and/or subsequently identified herein, are for consideration by the United States Patent and Trademark Office. Pursuant to the Office waiving the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC §371 after June 30, 2003, copies of the reference are not submitted herewith.

I. COPIES

- a.  A legible copy of (i) each foreign patents; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, is included herewith.
- b.  Any patents, publications or other information which are listed on PTO/SB/08 which are not enclosed herewith were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. §120:

U.S. Serial Number

U.S. Filing Date

II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- a.  Except as may be indicated below in (b) of this section, all of the patents, publications or other information are in the English language (concise explanation not required).
- b.  A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:
- c.  The following additional information is provided for the Examiner's consideration:

III.  CROSS REFERENCE TO RELATED APPLICATION(S)

The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this (these) applications to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §122.

Serial No.

Filing Date

Art Unit

FEESIV.  THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(b): (check one box)

- a.  within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is required.
- b.  within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. §1.97(b)(2)). No fee or statement is required.
- c.  before the mailing date of a first Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fee or statement is required.
- d.  before the mailing date of a first Office Action after the filing of a request for continued examination under § 1.14 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.

V.  **THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(c):** (check one box)  
 before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C.F.R. §1.97(c)).

- No statement; therefore, charge deposit account 503079 the fee set forth in 37 C.F.R. §1.17(p).
- See the statement below. No fee is required.

VI.  **THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(d):**  
 on or before payment of the issue fee and is accompanied by the following:

- 1) a statement under 37 C.F.R. §1.97(e) as provided below; and
- 2) charge deposit account 503079 the petition fee set forth in §1.17(p).

VII.  **STATEMENT UNDER 37 C.F.R. §1.97(e) (check only one box, if applicable)**  
 The undersigned hereby states that

- each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of IDS; or
- no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and to knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement, or
- some of the items of information contained in the IDS were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.

VIII. **PAYMENT OF FEES**

- A check in the amount of \_\_\_\_\_ is enclosed for the above-identified fee(s).
- Please charge Deposit Account 503079 in the amount of \$180.00 for the above-indicated fee(s).
- If Applicant has overlooked any additional fees, or if any overpayment has been made, the Commissioner is hereby authorized to credit or debit Freescale Semiconductor, Inc. Deposit Account 503079.
- Two Copies of this paper are attached for Deposit Account charges and debits.

The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 503079.

Respectfully submitted,

Mark L. Shaw et al.



David G. Dolezal

Attorney for Applicant(s)

Reg. No. 41,711

Tel. (512) 996-6839

FREESCALE SEMICONDUCTOR, INC.  
 Customer Number 23125

Enclosures:  PTO/SB/08  
 References  
 Foreign Search Report  
 Other:

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date	
				First Named Inventor	Mark L. Shaw et al.
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	SC13082ZC

<b>U. S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number -Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US -6,658,936 B2	12-09-2003	MATSUMOTO	
	AB	US -6,580,365 B2	06-17-2003	STARKEY	
	AC	US -6,535,116 B1	03-18-2003	ZHOU	
	AD	US -6,507,276 B1	01-14-2003	YOUNG	
	AE	US -6,453,737 B2	09-24-2002	YOUNG	
	AF	US -6,438,193 B1	08-20-2002	KO	
	AG	US -6,343,506 B1	02-05-2002	JONES	
	AH	US -6,175,302 B1	01-26-2001	HUANG	
	AI	US -6,278,363	08-21-2001	BEZEK	
	AJ	US -5,963,128	10-05-1999	MCCLELLAND	
	AK	US -5,955,712	09-21-1999	ZAKUTIN	
	AL	US -5,889,464	03-30-1999	HUANG	
	AM	US -5,781,104	07-14-1998	HUANG	
	AN	US -5,463,374	10-31-1995	MENDEZ	
	AO	US -5,260,683	11-09-1993	TANAKA	
	AP	US -4,510,484	04-09-1985	SNYDER	
	AQ	US -4,504,761	03-12-1985	TRIPLETT	
	AR	US -4,384,482	05-24-1983	SNYDER	
	AS	US -4,472,974	09-25-1984	DICKSON	
	AT	US -4,246,567	01-20-1981	MILLER	
	AU	US -4,250,759	02-17-1981	VAGO	
	AV	US -4,237,728	12-09-1980	BETTS	
	AW	US -4,210,898	07-01-1980	BETTS	
	AX	US -4,117,452	09-26-1978	SNYDER	

<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AY	WO02/30692 A1	04-18-2002	FONZES	

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	AZ	MARK L. SHAW, "Motion Sensing Techniques and Analysis for Direct Tire Pressure Monitoring," SOCIETY OF AUTOMOTIVE ENGINEERS, INC., SENSOR PRODUCTS DIVISION, TSPG, SPS, MOTOROLA, INC., pp. 1-9 (2003).			
	AAA	MARK L. SHAW, "Considerations to Improve Battery Life in Direct Tire Pressure Monitoring," SOCIETY OF AUTOMOTIVE ENGINEERS, INC., SENSOR PRODUCTS DIVISION, TSPG, SPS, MOTOROLA, INC., 10 pgs. (2002).			
	AAB	PCT/US03/07219 filed 12 Feb. 2003.			
Examiner Signature		Date Considered			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.